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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 11

Complete if Known

Application Number	To Be Assigned
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket Number	31328-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	AA	4,129,349		von ROESGEN	12/78	
/HS/	AB	4,149,072		SMITH et al.	4/79	
/HS/	AC	4,291,943		BINEK et al.	9/81	
/HS/	AD	4,595,839		BRAUN et al.	6/86	
/HS/	AE	5,111,363		YAGI et al.	5/92	
/HS/	AF	5,202,943		CARDEN et al.	4/93	
/HS/	AG	5,295,214		CARD et al.	3/94	
/HS/	AH	5,416,871		TAKAHASHI et al.	5/95	
/HS/	AI	5,717,533		POPLAWSKI et al.	2/98	
/HS/	AJ	5,734,558		POPLAWSKI et al.	3/98	
/HS/	AK	5,864,468		POPLAWSKI et al.	1/99	
/HS/	AL	5,879,713		POPLAWSKI et al.	3/99	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/HS/	AM	EPO	437161			7/91		
/HS/	AN	EPO	624962			11/94		
/HS/	AO	UK	2087681			5/82		
/HS/	AP	JP	3-218134			9/91		

Examiner Signature	/Hemang Sanghavi/	Date Considered	05/28/2007
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/HS/	BA	5,228,188		HOWE	05/12/92	
/HS/	BB	5,113,317		BADIHI et al.	07/20/93	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/HS/	BC	DE	84 22 793			12/06/84		
/HS/	BD	DE	43 33 387			03/31/94		
/HS/	BE	DE	36 40 099			06/01/88		
/HS/	BF	EP	630 174			12/21/94		
/HS/	BG	DE	39 27 752			1991		

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/HS/	CA	5,497,289		SUGISHIMA et al.	03/05/96	
/HS/	CB	4,836,107		LANG et al.	06/06/89	
/HS/	CC	5,057,025		KLATT et al.	10/15/91	

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/HS/	CD	DE	84 22793.091					

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Sheet 4 of 11

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/HS/	DA	DE	4303780C1					
/HS/	DB	DE	4013630A1					
/HS/	DC	DE	3701788A1					
/HS/	DD	WO	95/20845					
/HS/	DE	GB	2253317A					
/HS/	DF	GB	2194700A					
/HS/	DG	DE	3735038A1					
/HS/	DH	DE	3743483A1					
/HS/	DI	DE	4209253C1					
/HS/	DJ	JP	3-116669					
/HS/	DK	JP	4-116372					

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/HS/	DL	German Office Action citing publications DA-DG and translation dated August 7, 1996	
/HS/	DM	German Opposition Statement citing publications DH-DJ and translation dated July 10, 2002	
/HS/	DN	Japan Office Action citing pubs DK-DL and AP (see p.1)	

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Examiner Name	To Be Assigned
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
/HS/	EA	5,005,939		Arvanitakis et al.	04-19-1991	
/HS/	EB	5,475,518		Karaki	12-12-1995	
/HS/	EC	5,109,454		Okuno et al.	4-28-1992	
/HS/	ED	5,479,288		Ishizuka et al.	12-26-1995	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/HS/	EE	JP	4-42756			04-10-1992		Yes
/HS/	EF	JP	5-52802			07-13-1993		Yes
/HS/	EG	JP	3-157606			07-05-1991		Abs.

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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/HS/	EH	Japan Office Action citing JP-A-3-218134 of record and JP-A-5-215943 (equivalent to U.S. Patent 5,202,943, of record), and translation, dated October 29, 2002.	Yes
/HS/	EI	Japan Office Action citing JP-A-3-218134 of record and documents AA and AE, and translation, dated October 29, 2002.	Yes
/HS/	EJ	Japan Office Action citing JP-A-3-218134 and JP-A-5-215943 of record, and translation, dated October 29, 2002.	Yes
/HS/	EK	Japan Office Action citing JP-A-3-218134 of record and Japanese patent document corresponding to document EB, and translation, dated November 5, 2002.	Yes
/HS/	EL	Japan Office Action citing JP-A-5-215943 of record, Japanese patent documents corresponding to documents EC and ED, and documents EF and EG, and translation, dated November 19, 2002.	Yes

Examiner Signature	/Hemang Sanghavi/	Date Considered	05/28/2007
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Sheet 6 of 11

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First Named Inventor	Shin ISHIBASHI
Group Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
/HS/	FA	5,606,161		Schulz	02-25-1997	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/HS/	FB	DE	37 35 038 A1			04-27-1989		Yes
/HS/	FC	DE	37 43 483 A1			07-13-1989		Yes
/HS/	FD	DE	42 09 253 C1			02-25-1993		Yes

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/HS/	GA	JP	3-157606			07-05-1991		Yes

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/HS/	IA	IBM, "Fiber Channel 266 Mb/s Optical Link Cards," 1992.	
/HS/	IB	21 C.F.R. § 1040.10 (revised as of April 1, 2002).	
/HS/	IC	Thomas & Betts, "INFO-LAN™ Transceiver," 1988.	

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/HS/	KA	5,019,769		Levinson	05-28-1991	

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/HS/	KB	AMP, "Optimate Transceivers Application Note," Publication #4661-8, Oct. 1989.	
/HS/	KC	N. Yoshizawa et al., "1.25 Gb/s Transceiver with SC Duplex Optical Receptacle," Spring Conference in 1993 of The Institute of Electronics, Information and Communication Engineers, page 4-146, 1993 (and translation).	✓

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	Application Number	10/766,488		
	Filing Date	January 29, 2004		
	First Named Inventor	Shin ISHIBASHI		
	Group Art Unit	2874		
	Examiner Name	Ullah, Akm E.		
Sheet	1	of	4	Attorney Docket Number
				31328-200393

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	A1	4,432,604		Schwab	02-21-1984	
/HS/	A2	4,553,813		McNaughton et al.	11-19-1985	
/HS/	A3	4,612,670		Henderson	09-16-1986	
/HS/	A4	4,625,333		Takezawa et al.	10-25-1986	
/HS/	A5	4,737,008		Ohyaama et al.	04-12-1988	
/HS/	A6	4,911,519		Burton et al.	03-27-1990	
/HS/	A7	4,912,521		Almquist et al.	03-27-1990	
/HS/	A8	4,913,511		Tabalba et al.	04-03-1990	
/HS/	A9	4,945,229		Daly et al.	07-31-1990	
/HS/	A10	4,969,924		Suverison et al.	11-13-1990	
/HS/	A11	4,979,787		Lichenberger	12-25-1990	
/HS/	A12	5,013,247		Watson	05-07-1991	
/HS/	A13	5,039,194		Block et al.	08-13-1991	
/HS/	A14	5,047,835		Chang	09-10-1991	
/HS/	A15	5,099,307		Go et al.	03-24-1992	
/HS/	A16	5,113,466		Acarlar et al	05-12-1992	

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/HS/	B1	5,127,071		Go et al.	06-30-1992	
/HS/	B2	5,202,943		Carden et al.	04-13-1993	
/HS/	B3	5,243,678		Schaffer et al.	09-07-1993	
/HS/	B4	5,280,191		Chang	01-18-1994	
/HS/	B5	5,289,345		Corradetti et al.	02-22-1994	
/HS/	B6	5,325,454		Rittle et al.	06-28-1994	
/HS/	B7	5,325,455		Henson et al.	06-28-1994	
/HS/	B8	5,337,398		Benzoni et al.	08-09-1994	
/HS/	B9	5,432,630		Lebby et al.	07-11-1995	
/HS/	B10	5,452,388		Rittle et al.	09-19-1995	
/HS/	B11	5,475,783		Kurashima	12-12-1995	
/HS/	B12	5,515,468		DeAndrea et al.	05-07-1996	
/HS/	B13	5,526,160		Watanabe et al.	06-11-1996	
/HS/	B14	5,535,034		Taniguchi	07-09-1996	
/HS/	B15	5,550,941		Lebby et al.	08-27-1996	
/HS/	B16	5,561,727		Akita et al.	10-01-1996	

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/HS/	C1	5,604,831		Dittman et al.	02-18-1997	
/HS/	C2	4,727,248		Meur et al.	02-23-1988	
/HS/	C3	5,528,408		McGinley et al.	06-18-1996	
/HS/	C4	5,276,756		Chambers et al.	01-04-1994	
/HS/	C5	5,375,182		Chambers et al.	12-20-1994	
/HS/	C6	5,422,972		Chambers et al.	07-06-1995	
/HS/	C7	5,644,668		Chambers et al.	07-01-1997	
/HS/	C8	5,993,074		Chambers et al.	11-30-1997	
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/HS/	C10	JP	7-225327	A				✓
/HS/	C11	JP	7-225328	A				✓

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		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
		Attorney Docket Number	31238-200393
Sheet	4	of	4

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/HS/	D1	Hewlett-Packard, "Optoelectronics Designer's Catalog," 1990.	
/HS/	D2	Sumitomo Electric Fiber Optics Corp., "Product Bulletin, FDDI Optical Transceiver, ES-9217-XC," publication date unknown.	
/HS/	D3	Sumitomo Electric, "Technical Specification for FDDI Optical Transceiver Module, ES-9217-XC, SC Duplex FDDI PMD, ES-9210-XC, SC Duplex LCF PMD," March 25, 1993.	
/HS/	D4	Proposal for Multi-Chip Integration submitted to the Advanced Research Projects Agency dated May 11, 1993, publication date unknown.	
/HS/	D5	Thomas & Betts, "INFO-LAN Fiber Optic Map Network (IEEE 802.4) Users Manual," August 1988.	
/HS/	D6	IBM Opto-Electronics Enterprise, "RCL-2000 LCF-PMD FDDI, Preliminary Specifications," Jan. 7, 1993.	
/HS/	D7	Hewlett-Packard, "FDDI 1300 nm Transceiver, Technical Data, HFBR-5125," 1991.	
/HS/	D8	Daniel J. Wasser, "Optical Datalinks," AT&T Technical Journal, p. 46-52, January/February 1992.	

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Sheet 1 of 31

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/HS/	A1	Re. 32502		Kumar	09-15-1987	
/HS/	A2	2,899,669		Johanson	08-11-1959	
/HS/	A3	3,264,601		Hartholz	08-02-1966	
/HS/	A4	3,332,860		Diebold et al.	07-25-1967	
/HS/	A5	3,474,380		Miller	10-21-1969	
/HS/	A6	3,497,866		Patton, Jr.	02-24-1970	
/HS/	A7	3,523,269		Witek, Jr. et al.	08-04-1970	
/HS/	A8	3,670,290		Angele et al.	06-13-1972	
/HS/	A9	3,673,545		Rundle	06-27-1972	
/HS/	A10	3,706,869		Sorenson	12-19-1972	
/HS/	A11	3,737,729		Carney	06-05-1973	
/HS/	A12	3,790,923		Mathe	02-05-1974	
/HS/	A13	3,792,284		Kaelin	02-12-1974	
/HS/	A14	3,805,116		Nehmann	04-16-1974	
/HS/	A15	3,809,908		Clanton	05-07-1974	
/HS/	A16	3,976,877		Thillays	08-24-1976	

FOREIGN PATENT DOCUMENTS

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/HS/	B1	3,990,761		Jayne	11-09-1976	
/HS/	B2	4,047,242		Jakob et al.	09-06-1977	
/HS/	B3	4,156,903		Barton et al.	05-29-1979	
/HS/	B4	4,161,650		Caouette et al.	07-17-1979	
/HS/	B5	4,167,303		Bowen et al.	09-11-1979	
/HS/	B6	4,176,897		Cameron	12-04-1979	
/HS/	B7	4,217,019		Cameron	08-12-1980	
/HS/	B8	4,217,488		Hubbard	08-12-1980	
/HS/	B9	4,226,491		Kazama et al.	10-07-1980	
/HS/	B10	4,234,968		Singh	11-18-1980	
/HS/	B11	4,249,266		Nakamori	02-03-1981	
/HS/	B12	4,252,402		Puech et al.	02-24-1981	
/HS/	B13	4,257,124		Porter et al.	03-17-1981	
/HS/	B14	4,268,756		Crouse et al.	05-19-1981	
/HS/	B15	4,273,413		Bendiksen et al.	06-16-1981	
/HS/	B16	4,276,656		Petryk, Jr.	06-30-1981	

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/HS/	C1	4,294,682		Deczky	10-13-1981	
/HS/	C2	4,295,181		Chang et al.	10-13-1981	
/HS/	C3	4,301,543		Palmer	11-17-1981	
/HS/	C4	4,330,870		Arends	05-18-1982	
/HS/	C5	4,345,808		Ingham	08-24-1982	
/HS/	C6	4,347,655		Zory et al.	09-07-1982	
/HS/	C7	4,357,606		Fortescue	11-02-1982	
/HS/	C8	4,360,248		Bickel et al.	11-23-1982	
/HS/	C9	4,366,565		Herskowitz	12-28-1982	
/HS/	C10	4,369,494		Bienvenu et al.	01-18-1983	
/HS/	C11	4,380,360		Parmer et al.	04-19-1983	
/HS/	C12	4,388,671		Hall et al.	06-14-1983	
/HS/	C13	4,393,516		Itani	07-12-1983	
/HS/	C14	4,398,073		Botz et al.	08-09-1983	
/HS/	C15	4,398,780		Novotny et al.	08-16-1983	
/HS/	C16	4,399,563		Greenberg	08-16-1983	

FOREIGN PATENT DOCUMENTS

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/HS/	D4	4,430,699		Scgarra et al.	02-07-1984	
/HS/	D5	4,434,537		Bean et al.	03-06-1984	
/HS/	D6	4,437,190		Rozenwaig et al.	03-13-1984	
/HS/	D7	4,439,006		Stevenson	03-27-1984	
/HS/	D8	4,446,515		Sauer et al.	05-01-1984	
/HS/	D9	4,449,244		Kopainsky	05-15-1984	
/HS/	D10	4,449,784		Basov et al.	05-22-1984	
/HS/	D11	4,453,903		Pukaite	06-12-1984	
/HS/	D12	4,459,658		Gabbe et al.	07-10-1984	
/HS/	D13	4,461,537		Raymer, II et al.	07-24-1984	
/HS/	D14	4,470,154		Yano	09-04-1984	
/HS/	D15	4,486,059		Deyoung	12-04-1984	
/HS/	D16	4,493,113		Forrest et al.	01-08-1985	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	E1	4,501,021		Weiss	02-19-1985	
/HS/	E2	4,502,130		Kuckuk	02-26-1985	
/HS/	E3	4,505,035		Burton et al.	03-19-1985	
/HS/	E4	4,506,937		Cosmos et al.	03-26-1985	
/HS/	E5	4,510,553		Faultersack	04-09-1985	
/HS/	E6	4,511,207		Newton et al.	04-16-1985	
/HS/	E7	4,514,586		Waggoner	04-30-1985	
/HS/	E8	4,516,204		Sauer et al.	05-07-1985	
/HS/	E9	4,519,670		Spinner et al.	05-28-1985	
/HS/	E10	4,519,672		Rogstadius	05-28-1985	
/HS/	E11	4,519,673		Hamilton	05-28-1985	
/HS/	E12	4,522,463		Schwenda et al.	06-11-1985	
/HS/	E13	4,526,438		Essert	07-02-1985	
/HS/	E14	4,526,986		Fields et al.	07-02-1985	
/HS/	E15	4,527,286		Haworth	07-02-1985	
/HS/	E16	4,529,266		Delebecque	07-16-1985	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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/Hemang Sanghavi/

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Sheet 6 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
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		Number	Kind Code ² (if known)			
/HS/	F1	4,530,566		Smith et al.	07-23-1985	
/HS/	F2	4,531,810		Carlsen	07-30-1985	
/HS/	F3	4,533,208		Stowe	08-06-1985	
/HS/	F4	4,533,209		Segerson et al.	08-06-1985	
/HS/	F5	4,534,616		Bowen et al.	08-13-1985	
/HS/	F6	4,534,617		Kloots et al.	08-13-1985	
/HS/	F7	4,535,233		Abraham	08-13-1985	
/HS/	F8	4,537,468		Degoix et al.	08-27-1985	
/HS/	F9	4,539,476		Donuma et al.	09-03-1985	
/HS/	F10	4,540,237		Winzer	09-10-1985	
/HS/	F11	4,540,246		Fantone	09-10-1985	
/HS/	F12	4,541,036		Landries et al.	09-10-1985	
/HS/	F13	4,541,685		Anderson	09-17-1985	
/HS/	F14	4,542,076		Bednarz et al.	09-17-1985	
/HS/	F15	4,544,231		Peterson	10-01-1985	
/HS/	F16	4,544,233		Iwamoto et al.	10-01-1985	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Sheet 7 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)			
/HS/	G1	4,544,234		DeVeau, Jr. et al.	10-01-1985	
/HS/	G2	4,545,074		Balliet et al.	10-01-1985	
/HS/	G3	4,545,077		Drapala et al.	10-01-1985	
/HS/	G4	4,545,642		Auracher et al.	10-08-1985	
/HS/	G5	4,545,643		Young et al.	10-08-1985	
/HS/	G6	4,545,644		DeVeau, Jr. et al.	10-08-1985	
/HS/	G7	4,545,645		Mignien	10-08-1985	
/HS/	G8	4,548,465		White	10-22-1985	
/HS/	G9	4,548,466		Evans et al.	10-22-1985	
/HS/	G10	4,548,467		Stoerk et al.	10-22-1985	
/HS/	G11	4,549,782		Miller	10-29-1985	
/HS/	G12	4,549,783		Schmachtenberg, III	10-29-1985	
/HS/	G13	4,550,975		Levinson et al.	11-05-1985	
/HS/	G14	4,553,811		Becker et al.	11-19-1985	
/HS/	G15	4,553,813		McNaughton et al.	11-19-1985	
/HS/	G16	4,553,814		Bahl et al.	11-19-1985	

FOREIGN PATENT DOCUMENTS

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Sheet 8 of 31

Complete If Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)			
/HS/	H1	4,556,279		Shaw et al.	12-03-1985	
/HS/	H2	4,556,281		Anderton	12-03-1985	
/HS/	H3	4,556,282		Delebecque	12-03-1985	
/HS/	H4	4,557,551		Dyott	12-10-1985	
/HS/	H5	4,560,234		Shaw et al.	12-24-1985	
/HS/	H6	4,563,057		Ludman et al.	01-07-1986	
/HS/	H7	4,566,753		Mannschke	01-28-1986	
/HS/	H8	4,568,145		Colin et al.	02-04-1986	
/HS/	H9	4,569,569		Stewart	02-11-1986	
/HS/	H10	4,573,760		Fan et al.	03-04-1986	
/HS/	H11	4,580,295		Richman	04-01-1986	
/HS/	H12	4,580,872		Bhatt et al.	04-08-1986	
/HS/	H13	4,588,256		Onstott et al.	05-13-1986	
/HS/	H14	4,589,728		Dyott et al.	05-20-1986	
/HS/	H15	4,597,631		Flores	07-01-1986	
/HS/	H16	4,614,836		Carpenter et al.	09-30-1986	

FOREIGN PATENT DOCUMENTS

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			Application Number	10/766,488	
			Filing Date	January 29, 2004	
			First Named Inventor	Shin ISHIBASHI	
			Group Art Unit	2874	
			Examiner Name	Ullah, Akm E.	
Sheet	9	of	31	Attorney Docket Number	31238-200393

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		Number	Kind Code ² (if known)			
/HS/	11	4,629,270		Andrews, Jr. et al.	12-16-1986	
/HS/	12	4,634,239		Buhrer	01-06-1987	
/HS/	13	4,641,371		Shutterly	02-03-1987	
/HS/	14	4,647,148		Katagiri	03-03-1987	
/HS/	15	4,652,976		Fushimoto	03-24-1987	
/HS/	16	4,663,240		Hajdu et al.	05-05-1987	
/HS/	17	4,663,603		van Riemsdijk et al.	05-05-1987	
/HS/	18	4,678,264		Bowen et al.	07-07-1987	
/HS/	19	4,679,883		Assini et al.	07-14-1987	
/HS/	110	4,695,106		Feldman et al.	09-22-1987	
/HS/	111	4,697,864		Hayes et al.	10-06-1987	
/HS/	112	4,708,433		Kakii et al.	11-24-1987	
/HS/	113	4,715,675		Kevern et al.	12-29-1987	
/HS/	114	4,720,630		Takeuchi et al.	01-19-1988	
/HS/	115	4,722,584		Kakii et al.	02-02-1988	
/HS/	116	4,736,100		Vastagh	04-05-1988	

FOREIGN PATENT DOCUMENTS								
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

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/HS/	J1	4,756,593		Koakutsu et al.	07-12-1988	
/HS/	J2	4,762,388		Tanaka et al.	08-09-1988	
/HS/	J3	4,767,179		Sampson et al.	08-30-1988	
/HS/	J4	4,772,931		Rogers	09-20-1988	
/HS/	J5	4,779,952		Hayashi et al.	10-25-1988	
/HS/	J6	4,789,218		Paul et al.	12-06-1988	
/HS/	J7	4,798,430		Johnson et al.	01-17-1989	
/HS/	J8	4,798,440		Hoffer et al.	01-17-1989	
/HS/	J9	4,807,006		Rogers et al.	02-21-1989	
/HS/	J10	4,807,955		Ashman et al.	02-28-1989	
/HS/	J11	4,808,115		Norton et al.	02-28-1989	
/HS/	J12	4,811,165		Currier et al.	03-07-1989	
/HS/	J13	4,812,133		Fleak et al.	03-14-1989	
/HS/	J14	4,821,145		Corfits et al.	04-11-1989	
/HS/	J15	4,823,235		Suzuki et al.	04-18-1989	
/HS/	J16	4,838,630		Jannson et al.	06-13-1989	

FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 11 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
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/HS/	K1	4,840,451		Sampson et al.	06-20-1989	
/HS/	K2	4,844,581		Turner	07-04-1989	
/HS/	K3	4,847,711		Inoue	07-11-1989	
/HS/	K4	4,847,771		Scamera	07-11-1989	
/HS/	K5	4,849,944		Matsushita	07-18-1989	
/HS/	K6	4,857,002		Jensen et al.	08-15-1989	
/HS/	K7	4,862,327		Ansell et al.	08-29-1989	
/HS/	K8	4,872,212		Roos et al.	10-03-1989	
/HS/	K9	4,872,736		Myers et al.	10-10-1989	
/HS/	K10	4,881,789		Levinson	11-21-1989	
/HS/	K11	4,884,336		Waters et al.	12-05-1989	
/HS/	K12	4,897,711		Blonder et al.	01-30-1990	
/HS/	K13	4,906,197		Noll	03-06-1990	
/HS/	K14	4,927,225		Levinson	05-22-1990	
/HS/	K15	4,944,568		Danbach et al.	07-31-1990	
/HS/	K16	4,945,448		Bremenour et al.	07-31-1990	

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Sheet 12 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
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Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	L1	4,953,929		Basista et al.	09-04-1990	
/HS/	L2	4,955,817		Sugai	09-11-1990	
/HS/	L3	4,963,104		Dickie	10-16-1990	
/HS/	L4	4,967,312		Ozawa et al.	10-30-1990	
/HS/	L5	4,977,329		Eckhardt et al.	12-11-1990	
/HS/	L6	4,979,793		Bowen et al.	12-25-1990	
/HS/	L7	4,979,794		Evans	12-25-1990	
/HS/	L8	4,986,625		Yamada et al.	01-22-1991	
/HS/	L9	4,989,934		Zavracky et al.	02-05-1991	
/HS/	L10	4,990,104		Schieferly	02-05-1991	
/HS/	L11	4,991,062		Nguyenngoc	02-05-1991	
/HS/	L12	5,002,495		Tanaka	03-26-1991	
/HS/	L13	5,004,434		Aiello et al.	04-02-1991	
/HS/	L14	5,006,286		Dery et al.	04-09-1991	
/HS/	L15	5,011,425		Van Zanten et al.	04-30-1991	
/HS/	L16	5,029,254		Stickney	07-02-1991	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T _e
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature

/Hemang Sanghavi/

Date Considered

05/28/2007

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Substitute for form 1448A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Application Number		10/766,488			
Filing Date		January 29, 2004			
First Named Inventor		Shin ISHIBASHI			
Group Art Unit		2874			
Examiner Name		Ullah, Akm E.			
Attorney Docket Number		31238-200393			
Sheet	13	of	31		

U.S. PATENT DOCUMENTS						
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/HS/	M1	5,035,482		ten Berge et al.	07-30-1991	
/HS/	M2	5,035,641		Van-Santbrink et al.	07-30-1991	
/HS/	M3	5,040,993		Krug et al.	08-20-1991	
/HS/	M4	5,041,025		Haitmanek	08-20-1991	
/HS/	M5	5,043,775		Lee	08-27-1991	
/HS/	M6	5,044,982		Bertini	09-03-1991	
/HS/	M7	5,045,635		Kaplo et al.	09-03-1991	
/HS/	M8	5,045,971		Ono et al.	09-03-1991	
/HS/	M9	5,046,955		Olsson	09-10-1991	
/HS/	M10	5,060,373		Machura et al.	10-29-1991	
/HS/	M11	5,071,219		Yurtin et al.	12-10-1991	
/HS/	M12	5,076,656		Briggs et al.	12-31-1991	
/HS/	M13	5,076,688		Bowen et al.	12-31-1991	
/HS/	M14	5,082,344		Mulholland et al.	01-21-1992	
/HS/	M15	5,084,802		Nguyenngoc	01-28-1992	
/HS/	M16	5,086,422		Hagiya et al.	02-04-1992	

FOREIGN PATENT DOCUMENTS								
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Examiner Signature	/Hemang Sanghavi/	Date Considered	05/28/2007
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Filing Date		January 29, 2004				
First Named Inventor		Shin ISHIBASHI				
Group Art Unit		2874				
Examiner Name		Ullah, Akm E.				
Attorney Docket Number		31238-200393				
Sheet	14	of	31			

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		Number	Kind Code ² (if known)			
/HS/	N1	5,091,991		Briggs et al.	02-25-1992	
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/HS/	N3	5,094,623		Scharf et al.	03-10-1992	
/HS/	N4	5,101,463		Cubukciyan et al.	03-31-1992	
/HS/	N5	5,104,243		Harding	04-14-1992	
/HS/	N6	5,107,404		Tam	04-21-1992	
/HS/	N7	5,108,294		Marsh et al.	04-28-1992	
/HS/	N8	5,109,453		Edwards et al.	04-28-1992	
/HS/	N9	5,113,467		Peterson et al.	05-12-1992	
/HS/	N10	5,116,239		Siwinski	05-26-1992	
/HS/	N11	5,117,476		Yinsgt et al.	5,117,476	
/HS/	N12	5,118,362		St. Angelo et al.	06-02-1992	
/HS/	N13	5,118,904		Nguyenngoc	06-02-1992	
/HS/	N14	5,120,578		Chen et al.	06-09-1992	
/HS/	N15	5,122,893		Tolbert	06-16-1992	
/HS/	N16	5,124,885		Liu	06-23-1992	
/HS/	N17	5,125,849		Briggs et al.	06-30-1992	
/HS/	N18	5,127,071		Go	06-30-1992	
/HS/	N19	5,132,871		Densham et al.	07-21-1992	

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		Filing Date	January 29, 2004
		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
		Attorney Docket Number	31238-200393
Sheet	15	of	31

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		Number	Kind Code ² (if known)			
/HS/	O1	5,134,677		Leung et al.	07-28-1992	
/HS/	O2	5,134,679		Robin et al.	07-28-1992	
/HS/	O3	5,136,063		O'Lenick, Jr.	08-04-1992	
/HS/	O4	5,136,152		Lee	08-04-1992	
/HS/	O5	5,136,603		Hasnain et al.	08-04-1992	
/HS/	O6	5,138,537		Wang	08-11-1992	
/HS/	O7	5,138,678		Briggs et al.	08-11-1992	
/HS/	O8	5,140,663		Edwards et al.	08-18-1992	
/HS/	O9	5,155,786		Ecker et al.	10-13-1992	
/HS/	O10	5,157,769		Eppley et al.	10-20-1992	
/HS/	O11	5,167,139		Lafargue et al.	12-01-1992	
/HS/	O12	5,168,537		Rajasekharan et al.	12-01-1992	
/HS/	O13	5,170,146		Gardner et al.	12-08-1992	
/HS/	O14	5,171,167		Kosmala	12-15-1992	
/HS/	O15	5,173,059		Sato et al.	12-22-1992	
/HS/	O16	5,183,404		Aldous et al.	02-02-1993	
/HS/	O17	5,183,405		Elicker et al.	02-02-1993	

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	Application Number	10/766,488		
	Filing Date	January 29, 2004		
	First Named Inventor	Shin ISHIBASHI		
	Group Art Unit	2874		
	Examiner Name	Ullah, Akm E.		
Sheet	16	of	31	Attorney Docket Number
				31238-200393

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/HS/	P1	5,195,911		Murphy	03-23-1993	
/HS/	P2	5,202,536		Buonanno	04-13-1993	
/HS/	P3	5,207,597		Kline et al.	05-04-1993	
/HS/	P4	5,212,752		Stephenson et al.	05-18-1993	
/HS/	P5	5,212,754		Basavanahally et al.	05-18-1993	
/HS/	P6	5,218,519		Welch et al.	06-08-1993	
/HS/	P7	5,225,760		Leiserson	06-06-1993	
/HS/	P8	5,233,676		Yonemura et al.	08-03-1993	
/HS/	P9	5,233,674		Vladic	08-03-1993	
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/HS/	P11	5,238,426		Arnett	08-24-1993	
/HS/	P12	5,241,614		Ecker et al.	08-31-1993	
/HS/	P13	5,247,532		Levinson	09-21-1993	
/HS/	P14	5,259,052		Briggs et al.	11-02-1993	
/HS/	P15	5,259,054		Benzoni et al.	11-02-1993	
/HS/	P16	5,262,923		Batta et al.	11-16-1993	
/HS/	P17	5,271,079		Levinson	12-14-1993	

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Sheet	17	of	31	Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
				Attorney Docket Number	31238-200393

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/HS/	Q1	5,274,729		King et al.	12-28-1993	
/HS/	Q2	5,285,466		Tabatabaie	02-08-1994	
/HS/	Q3	5,285,511		Akkapeddi et al.	02-08-1994	
/HS/	Q4	5,285,512		Duncan et al.	02-08-1994	
/HS/	Q5	5,286,207		McHugh	02-15-1994	
/HS/	Q6	5,286,247		Weder et al.	02-15-1994	
/HS/	Q7	5,288,247		Kaufman	02-22-1994	
/HS/	Q8	5,289,347		McCarthy et al.	02-22-1994	
/HS/	Q9	5,296,813		Holmes et al.	03-22-1994	
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/HS/	Q11	5,304,069		Brunker et al.	04-19-1994	
/HS/	Q12	5,305,182		Chen	04-19-1994	
/HS/	Q13	5,311,408		Ferchau et al.	05-10-1994	
/HS/	Q14	5,315,679		Baldwin et al.	05-24-1994	
/HS/	Q15	5,317,663		Beard et al.	05-31-1994	
/HS/	Q16	5,321,819		Szczepanek	06-14-1994	

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	/Hemang Sanghavi/	Date Considered	05/28/2007
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First Named Inventor	Shin ISHIBASHI				
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/HS/	R1	5,329,604		Baldwin et al.	07-12-1994	
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/HS/	R3	5,333,225		Jacobowitz et al.	07-26-1994	
/HS/	R4	5,337,391		Lebby	08-09-1994	
/HS/	R5	5,337,396		Chen et al.	08-09-1994	
/HS/	R6	5,340,340		Hastings et al.	08-23-1994	
/HS/	R7	5,345,524		Lebby et al.	09-06-1994	
/HS/	R8	5,345,530		Lebby et al.	09-06-1994	
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FOREIGN PATENT DOCUMENTS								
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/HS/	S3	5,388,995		Rudy, Jr. et al.	02-14-1995	
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/HS/	S5	5,393,249		Morgenstern et al.	02-28-1995	
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/HS/	S7	5,398,154		Perkins et al.	03-14-1995	
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/HS/	S14	5,419,717		Abendschein et al.	05-30-1995	
/HS/	S15	5,424,573		Kato et al.	06-13-1995	
/HS/	S16	5,428,703		Lee	06-27-1995	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₂
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	/Hemang Sanghavi/	Date Considered	05/28/2007
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete If Known	
Application Number	10/766,488			
Filing Date	January 29, 2004			
First Named Inventor	Shin ISHIBASHI			
Group Art Unit	2874			
Examiner Name	Ullah, Akm E.			
Attorney Docket Number	31238-200393			

Sheet	20	of	31
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U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	T1	5,428,704		Lebby et al.	06-27-1985	
/HS/	T2	5,434,747		Shibata	07-18-1995	
/HS/	T3	5,443,390		Kokkosoulis et al.	08-22-1995	
/HS/	T4	5,446,814		Kuo et al.	08-29-1995	
/HS/	T5	5,452,387		Chun et al.	09-19-1995	
/HS/	T6	5,454,080		Fasig et al.	09-26-1995	
/HS/	T7	5,455,703		Duncan et al.	10-03-1995	
/HS/	T8	5,463,532		Petitpierre et al.	10-31-1995	
/HS/	T9	5,469,332		Alvité	11-21-1995	
/HS/	T10	5,470,257		Szegda	11-28-1995	
/HS/	T11	5,470,259		Kaufman et al.	11-28-1995	
/HS/	T12	5,475,734		McDonald et al.	12-12-1995	
/HS/	T13	5,477,418		MacGregor et al.	12-19-1995	
/HS/	T14	5,478,253		Biechler et al.	12-26-1995	
/HS/	T15	5,478,259		Noschese	12-26-1995	
/HS/	T16	5,478,260		Kaufman et al.	12-26-1995	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Sheet 21 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	U1	5,481,634		Anderson et al.	01-02-1996	
/HS/	U2	5,482,658		Lebby et al.	01-09-1996	
/HS/	U3	5,487,678		Tsuji et al.	01-30-1996	
/HS/	U4	5,491,613		Petitpierre	02-13-1996	
/HS/	U5	5,491,712		Lin et al.	02-13-1996	
/HS/	U6	5,494,747		Rha	02-27-1996	
/HS/	U7	5,499,311		DeCusatis	03-12-1996	
/HS/	U8	5,499,312		Hahn et al.	03-12-1996	
/HS/	U9	5,504,657		Stocco	04-02-1996	
/HS/	U10	5,506,921		Horie	04-09-1996	
/HS/	U11	5,506,922		Grois et al.	04-09-1996	
/HS/	U12	5,507,668		Lambrinos et al.	04-16-1996	
/HS/	U13	5,526,235		Beason et al.	06-11-1996	
/HS/	U14	5,527,991		Sadowski et al.	06-18-1996	
/HS/	U15	5,534,662		Peacock et al.	07-09-1996	
/HS/	U16	5,535,296		Uchida	07-09-1996	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

Sheet 22 of 31

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	V1	5,535,364		Resman et al.	07-09-1996	
/HS/	V2	5,545,845		Flores	08-13-1996	
/HS/	V3	5,546,281		Poplawski et al.	08-13-1996	
/HS/	V4	5,547,385		Spangler	08-20-1996	
/HS/	V5	5,548,641		Butler et al.	08-20-1996	
/HS/	V6	5,548,677		Kakii et al.	08-20-1996	
/HS/	V7	5,554,031		Moir et al.	09-10-1996	
/HS/	V8	5,554,037		Uleski	09-10-1996	
/HS/	V9	5,567,167		Hayashi	10-22-1996	
/HS/	V10	5,577,064		Swirhun et al.	11-19-1996	
/HS/	V11	5,580,269		Fan	12-03-1996	
/HS/	V12	5,588,850		Pan et al.	12-31-1996	
/HS/	V13	5,598,319		Lee	01-28-1997	
/HS/	V14	5,599,595		McGinley et al.	02-04-1997	
/HS/	V15	5,600,470		Walsh	02-04-1997	
/HS/	V16	5,613,860		Banakis et al.	03-25-1997	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Te
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	/Hemang Sanghavi/	Date Considered	05/28/2007
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete If Known		
Application Number	10/766,488				
Filing Date	January 29, 2004				
First Named Inventor	Shin ISHIBASHI				
Group Art Unit	2874				
Examiner Name	Ullah, Akm E.				
Attorney Docket Number	31238-200393				
Sheet	23	of	31		

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	W1	5,629,919		Hayashi et al.	05-13-1997	
/HS/	W2	5,631,998		Han	05-20-1997	
/HS/	W3	5,653,596		Banakis et al.	08-05-1997	
/HS/	W4	5,659,459		Wakabayashi et al.	08-19-1997	
/HS/	W5	5,675,428		Henmi	10-07-1997	
/HS/	W6	5,687,267		Uchida	11-11-1997	
/HS/	W7	5,717,533		Poplawski et al.	02-10-1998	
/HS/	W8	5,724,729		Sherif et al.	03-10-1998	
/HS/	W9	5,726,864		Copeland et al.	03-10-1998	
/HS/	W10	5,734,558		Poplawski et al.	03-31-1998	
/HS/	W11	5,736,782		Schairer	04-07-1998	
/HS/	W12	5,747,735		Chang et al.	05-05-1998	
/HS/	W13	5,767,999		Kayner	06-16-1998	
/HS/	W14	5,779,504		Dominiak et al.	07-14-1998	
/HS/	W15	5,797,771		Garside	08-25-1998	
/HS/	W16	5,836,774		Tan et al.	11-17-1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 24 of 31

Complete if Known

Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	31238-200393

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/HS/	X1	5,864,468		Poplawski et al.	01-26-1999	
/HS/	X2	5,879,173		Poplawski et al.	03-09-1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/HS/	X3	DE	(USP, 233,674) 42 39 124	A1		05-27-1993		
/HS/	X4	EP	0 232 792	A1		08-18-1987		x
/HS/	X5	EP	0 228 278	A2		07-08-1987		
/HS/	X6	EP	0 305 112	A2, A3		03-01-1989		
/HS/	X7	EP	0 314 651	A2, A3		05-03-1989		
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/HS/	X9	EP	(USP 5,167,139) 0 437 141	A1		07-17-1991		
/HS/	X10	EP	0 456 298	B1		10-02-1996		
/HS/	X11	EP	0 530 791	A2		03-10-1993		
/HS/	X12	EP	0 535 473	A1		04-07-1993		
/HS/	X13	EP	0 588 014	A2, A3		03-23-1994		
/HS/	X14	EP	0 600 645	A1		06-08-1994		
/HS/	X15	EP	0 613 032	A2, A3		08-31-1994		
/HS/	X16	EP	0 652 696	A1		05-10-1995		
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/HS/	X19	EP	0 442 608	A2		08-21-1991		
/HS/	X20	WO	94/12900			06-09-1994		
/HS/	X21	JP	A-1-237783			09-22-1989		x

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 25

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
Attorney Docket Number	3238-200393

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₀
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/HS/	Y1	JP	A-2-151084			06-11-1990		x
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/HS/	Y10	JP	(USP 5,127,071) A-4-211208			08-03-1992		
/HS/	Y11	JP	A-4-221207			08-11-1992		x
/HS/	Y12	JP	(USP 5,116,239) A-4-229962			08-19-1992		
/HS/	Y13	JP	(USP 5,104,243) A-4-230978			08-19-1992		
/HS/	Y14	JP	(USP 5,113,467) A-4-234715			08-24-1992		
/HS/	Y15	JP	(USP 5,117,476) A-4-270305			09-25-1992		
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/HS/	Y17	JP	A-4-87809			03-19-1992		x
/HS/	Y18	JP	A-5-052802			03-02-1993		x
/HS/	Y19	JP	A-5-134147			05-28-1993		x

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Signature

/Hemang Sanghavi/

Date

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/766,488
				Filing Date	January 29, 2004
				First Named Inventor	Shin ISHIBASHI
				Group Art Unit	2874
				Examiner Name	Ullah, Akm E.
Sheet	26	of	31	Attorney Docket Number	31238-200393

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Offic e ²	Number ⁴	Kind Code ⁵ (if known)				
/HS/	Z1	JP	A-5-152607		06-18-1993			x
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/HS/	Z3	JP	A-5-211379		08-20-1993			x
/HS/	Z4	JP	A-5-218581		08-27-1993			x
/HS/	Z5	JP	A-5-290913		11-05-1993			x
/HS/	Z6	JP	A-5-70955		03-23-1993			x
/HS/	Z7	JP	A-61-158046		07-17-1986			x
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/HS/	Z9	JP	A-63-009325		01-16-1988			x
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/HS/	Z11	JP	A-63-65967		03-24-1988			x
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/HS/	Z17	JP	U-5-052802		07-13-1993			y
/HS/	Z18	JP	U-5-70955		09-24-1993			y
/HS/	Z19	JP	U-61-158046		09-30-1986			y

Examiner Signature	/Hemang Sanghavi/	Date Considered	05/28/2007
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/766,488
		Filing Date	January 29, 2004
		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
Sheet 28 of 31	Attorney Docket Number	31238-200393	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/HS/	BB1	AT&T Microelectronics, "1408-Type ODL Transceiver", Feb. 1994 preliminary data sheet, p. 2-10.	
/HS/	BB2	Ronald L. Soderstrom et al., "An optical Data Link using a CD laser", SPIE Vol. 1577 High Speed Fiber Networks and Channels, pp. 163-173, 1991.	
/HS/	BB3	BCP, Inc. "Gigabits Over Multimode Optical Fiber" no date.	
/HS/	BB4	Ronald L. Soderstrom et al., "CD laser optical Data Links for Workstation and Midrange Computers", IEEE p. 505-509, 1993.	
/HS/	BB5	FDDI Low-Cost Fiber Physical Layer Medium Dependent (LCF-PMD) Common Receiver Footprint, no date.	
/HS/	BB6	HP Module HFBR-5103, FDDI Data Sheet, http://www.hp.com/HP-COMP/fiber/hfbr5103.html , Jun. 11, 1998.	
/HS/	BB7	IBM Technical Disclosure Bulletin "Optical Link Card Guide/Retention System", www.patents.ibm.com/dbsearch?&order=93A+60964 , April 1993.	
/HS/	BB8	IBM, "A Proposal for a New High Performance..." OptoElectronics Enterprise Oct. 1992 ANSI Meeting, Oct. 13, 1992.	
/HS/	BB9	IBM et al., "GLM Family", FCSI-301-Rev. 1.0, Feb. 16, 1994.	
/HS/	BB10	Methode Electronics, Inc., "DM 1063-DBLM9 Copper Gigabit Link Module" data sheet (no date).	
/HS/	BB11	"Raylan Joins Low-Wavelength Push - 850 nm Transceiver", Electronic Engineering Times, Aug. 1993.	

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Sheet 29 of 31

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Application Number	10/766,488
Filing Date	January 29, 2004
First Named Inventor	Shin ISHIBASHI
Group Art Unit	2874
Examiner Name	Ullah, Akm E.
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/HS/	CC1	Sumitomo Electric Fiber Optics Corp. "Transceiver Manufacturers to Support Common Footprint for Desktop FDDI Applications," June 23, 1992.	
/HS/	CC2	Sun Microsystems Computer Co. et al., Gigabit Interface Converter (GBIC), Rev 4.4, Dec. 1, 1997.	
/HS/	CC3	Siemens, "Who provides Low-Cost Transceivers for all Standards?" no date.	
/HS/	CC4	AMP "PC Board Connectors", Product Guide 82759, pp. 7104-7108, Catalog E2750 issued Jun. 1991.	
/HS/	CC5	AMP Inc. "Lytel Molded-Optronic SC Duplex Transceiver", Catalog 65922, Dec. 1993.	
/HS/	CC6	AMPHENOL Engineering News, vol. 7 No. 6, pp. 241, 264-65, Nov. 1994.	
/HS/	CC7	Baldwin and Kellerman, "Fiber Optic Module Interface Attachment" Research disclosure, Kenneth Mason Publication Ltd, England, Nov. 1991.	
/HS/	CC8	Block and Gaio "Optical Link Card guide/Retention Sys" RESEARCH DISCLOSURE Kenneth Mason Publications Ltd., England, Apr. 1993.	
/HS/	CC9	Cinch Hinge Connectors Catalog CM-16, Jul. 1963.	
/HS/	CC10	Martin H. Weik, "Communication Standard Dictionary" p. 454. definition of LED, Van Nostrand Reinhold Co.	
/HS/	CC11	Edward R. Salmon, Encapsulation of Electronic Devices and Components, Marcel Dekker Inc., New York, 1987.	

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		First Named Inventor	Shin ISHIBASHI
		Group Art Unit	2874
		Examiner Name	Ullah, Akm E.
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/HS/	DD1	Dieter Gwinner, Conductive Coatings: Vacuum Evaporated Aluminum for Selective Shielding of Plastic Housings, no date.	
/HS/	DD2	HEADSUP--Sumitomo Electric Lightwave Joins Others in Announcement, May 11, 1995	
/HS/	DD3	Robert C. Herron, High Density Input/Output Connector Systems, 3M Electronic Products Division, 1990.	
/HS/	DD4	Shortwave Opto Assembly, IBM OptoElectronic Enterprises; IBM/OEE Market Survey Only, Rev. 1, Jan. 6, 1993.	
/HS/	DD5	"Minimizing Electrostatic Discharge Damage to a Cartridge", IBM Technical Disclosure Bulletin, vol. 29 No. 10, Mar., 1987.	
/HS/	DD6	Japanese Standards Association" F04 Type Connectors for Optical Fiber Cords JIS C 5973" Japanese Standards Association, 1990.	
/HS/	DD7	Ronald L. Soderstrom et al., A Miniaturized Fiber Optic Laser Receptacle Using a Compact Disk (CD) FOC/LAN '87 & MFOC- WEST, pp. 383-385, no date.	
/HS/	DD8	"Transceiver Module Assembly", IBM Technical Disclosure Bulletin, Oct. 1979, https://www.delphion.com/bds/db?q=79A+06370 , last visited Mar. 3, 2005.	
/HS/	DD9	Ronald L. Soderstrom et al., Optical Components and Electronic Packaging for High Performance Optical Data Links, THE RESEARCH INVESTMENT, p. 19-28 (no date).	
/HS/	DD10	Thomas & Betts, INFO-LAN Modem, 1998.	
/HS/	DD11	"Active component manufacturers lower the cost of fiber to the desktop", Lightwave, Feb. 1994 pp. 58, 67.	

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	Filing Date	January 29, 2004	
	First Named Inventor	Shin ISHIBASHI	
	Group Art Unit	2874	
	Examiner Name	Ullah, Akm E.	
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/HS/	EE1	Fibre Distributed Data Interface (FDDI) - Token Ring Low-Cost Fibre Physical Layer Medium Dependent (LCF-PMD), American National Standards Institute, 1996.	
/HS/	EE2	Communications Standard Dictionary; p. 454, definition of inhomogeneous fiber, Van Nostrand Reinhold Publishing, 1983.	
/HS/	EE3	"Transmitter/receiver assembly simplifies use of fibre optics", Design Engineering, p. 19, Button Press, Ltd., April 1980.	
/HS/	EE4	Ronald L. Soderstrom et al., "CD laser as a fiber optic source for computer data links", Fiber Optic Datacom and Computer Networks, SPIE-The International Society for Optical Engineering Proceedings, Vol. 1577, pp. 174-181, 1988.	
/HS/	EE5	David A. Knodel et al., "Open Fibre Control, a laser safety interlock technique", High-Speed Fiber Networks and Channels, SPIE-The International Society for Optical Engineering Proceedings, Vol. 991, pp. 179-182, 1992.	
/HS/	EE6	IBM Technical Disclosure Bulletin, "Electrostatic Dissipative Enclosed Connector", Vol. 34, No. 7B, Dec. 1991.	
/HS/	EE7	"High Reliability SW Laser For Optical Data Links", LEOS '93 Conference Proceedings, IEEE Lasers and Electro-Optics Society 1993 Annual Meeting.	
/HS/	EE8	Minimizing Electrostatic Discharge to a Cartridge, IBM Technical Disclosure Bulletin, March 1987, https://www.delphion.com/tbds/tdb?o=87A%2060509 , last visited Mar. 8, 2005.	
/HS/	EE9	K.P. Jackson et al., "High-Density, Array, Optical Interconnects for Multi-Chip Modules", 1992 IEEE Multi-Chip Module Conference MCMC-92 Proceedings, IEEE Computer Society Press.	
/HS/	EE10	TDB: Stackable Circuit Card Packaging within a Logic Cage, IBM Technical Disclosure Bulletin, Dec. 1992, https://www.delphion.com/tbds/tdb?o=92A%2063485 , last visited Mar. 8, 2005.	
/HS/	EE11	Jeff Hecht, The Laser Guidebook, 2 nd ed., McGraw Hill, Inc., 1992.	

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		Filing Date	January 24, 2004
		First Named Inventor	Shin ISHIBASHI et al.
		Group Art Unit	2874
		Examiner Name	Akm E. Ullah
Sheet 1	of 1	Attorney Docket Number	31238-200393

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/HS/	A1	5,879,173		Poplawski et al.	03-09-1999	

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